UPGRADE 5

IT'S WHAT'S INSIDE THAT MATTERS.

ALFA	FORD	LEXUS	PORSCHE	TOYOTA
AUDI	HONDA	MAZDA	RENAULT	VOLVO
BMW / MINI	HYUNDAI	MERCEDES	SEAT	VW
CHRYSLER	JAGUAR	MITSUBISHI	ŠKODA	Video
CITROËN	KIA	NISSAN	SMART	The Stats
DACIA	LANCIA	OPEL / VAUX	SUBARU	What's New
FIAT	LAND ROVER	PEUGEOT	SUZUKI	Application Guide

CONFIDENCE COMES FROM WITHIN

NEW Lexus added as a new manufacturer with in-depth coverage on main vehicle systems from 2000 to 2015 including powertrain / transmission, ABS, airbag, electric motor power steering, hybrid, TPMS systems

NEW 2015 Model year update for Honda, Jaguar, Mazda, Mercedes, PSA, Subaru, Suzuki, Toyota and VAG

NEW New lane departure warning systems added on AFL, BMW, Mitsubishi, Renault, VAG

NEW TPMS systems extended across more manufacturer models

NEW New function to reset the immobiliser system to other vehicle systems, added to BMW - for when the battery has gone flat

MORE ❯

NEW TO AUTO ID/CLEAR ALL/CODE SCAN ❯

Return to home ❯

NEW Injector coding, DPF regeneration/replacement added to the most popular models of Subaru

NEW Mazda key programming with or without keyless entry and erase keys function

NEW BMW SCR (selective catalyst reduction) servicing and resetting of the system

Plus much, much more!

BACK

WHAT'S NEW IN CTM

NEW TO AUTO ID/CLEAR ALL/CODE SCAN

Return to home

NEW Lexus has been added and includes the ABS menus

NEW Other new vehicles added for Mazda, Nissan and Renault

NEW 3 new technology classes

- Driver Assistance Technology

- Pressure Transducer Technology

- Tips for Successful Fault Finding

NEW 2 Updated technology classes

- Current ramp

- Battery drain test

EXAMPLE ⊗

WHAT'S NEW IN VCS ⊗

NEW TO AUTO ID/CLEAR ALL/CODE SCAN ⊗

Return to home ⊗

UPGRADE

> Guided Component Tests > Methodical Approach To Fault Finding

Back   Configure Favorites   Favorites   Exit

Tips For Successful Fault Finding - Methodical Approach To Fault Finding

When working on vehicles you are constantly asked to solve various different issues. They could be noise complaints, water ingress, warning lights displayed, component malfunctions or mechanical faults.

By approaching each job with the same methodical process you can be sure that you have covered all the aspects needed to complete an accurate and correct diagnosis and repair.

Below is an approach that can be used in any scenario to help a technician through the fault finding process.

1). Confirm the customer complaint. Always follow safety guidelines when simulating vehicle faults. Ensure that the customer is safeguarded at all times. In all cases try to recreate the complaint with the customer present. By doing this you are confirming that there is a fault present and that you know exactly what the customer is trying to describe.

2). Communicate with the customer. Ask the customer questions that will help you in the accurate diagnosis of the fault. When, where, how often, how long, hot or cold?

3). Gather information. Where relevant, scan the vehicle for fault codes and check for any live data or configuration issues. Consult all available information sources for any known issues and solutions. Gather together all wiring diagrams, component test meter (CTM) test procedures, configuration settings, system operation information and pre and post replacement procedures.

4). Fault finding. Using the information gathered you can now start an informed approach to fault finding the customer complaint.

5). Identify and rectify the cause. Once the faulty component is identified during fault finding, determine if the component is the cause or the result of a fault. Always rectify the cause before replacing the faulty component.

6). Confirm the repair. Once the cause has been rectified and the faulty component replaced it is imperative to confirm the repair. This may involve completing drive cycles or multiple operations of a component or retesting for the ingress of water. When possible allow the

No Active Vehicle

WHAT'S NEW IN CTM ❯

NEXT ❯

Return to home ❯

> Guided Component Tests   > 5 Circuit Testing At Fusebox

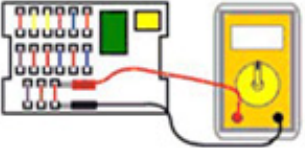Back   Configure Favorites   ⭐ Favorites   Exit

10 Minute Battery Drain Test Class - 5 Circuit Testing At Fusebox

A simple method to measure current flow within a circuit is to connect a voltmeter across the circuit fuse. Ensure a good clean connection is made with the test points on top of the fuse.

The voltage drop across the fuse will depend on the physical size of the fuse i.e. mini/standard and the current rating of the fuse.

A voltage drop greater than 100 millivolts indicates a bad connection at the test point or within the fuse.

Connect voltmeter to measure volt drop accross fuse. Use table to calculate current flow within the circuit.

Value measured (mV)	Mini (mA)	Mini (mA)	Mini (mA)	Standard (mA)	Standard (mA)	Standard (mA)	Standard (mA)	Standard (mA)	Standard (mA)
0.2	12	20	28	13	27	45	61	94	123
0.5	30	50	71	33	67	113	152	235	308
1	60	100	142	66	134	226	305	469	616

No Active Vehicle

WHAT'S NEW IN CTM ❯

NEXT ❯

Return to home ❯

> Guided Component Tests   > High Current Consumers
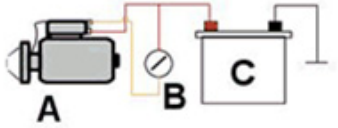
Back   Configure Favorites   Favorites   Exit

20 Minute Current Ramp Class - High Current Consumers

High current consumers such as starter motors, electric power steering pumps, alternators, etc. can be testing using a clamp on amp probe. The recommended amp probe for these high current consumers is the 400 Amp rated probe.

Most modern starter motors are permanent magnet type with a gear reduction mechanism to increase torque. These motors operate at a comparatively lower current flow of 60 to 100 Amps. This is after the initial current flow of approximately 200 to 250 Amps. A motor has very low internal resistance until until it begins to rotate. The motor rotating creates a back electromotive force (EMF) which opposes the current flow from the vehicle battery.

Testing the current flow during the operation of the starter motor.

Use the voltage scale setting and convert the voltage displayed to current by using the following principle:

No Active Vehicle

WHAT'S NEW IN VCS

NEXT

Return to home

HOW TO CTM CLASSES

> Guided Component Tests > Cruise Control

Back   Configure Favorites   Favorites   Exit

10 Minute Driver Assistance Technology - Cruise Control

A vehicle fitted with adaptive cruise control (ACC) uses radar to monitor the vehicles position in traffic. Other obstacles around the vehicle can also be detected. If the system detects another vehicle ahead of it in traffic, the system can reduce the current vehicle speed to match to recommended stopping distances for the driving conditions. The vehicle can adjust the vehicle speed autonomously without driver intervention. The vehicle speed is controlled via the electronic throttle control system and actuation of the wheel brakes.

Any driver intervention on the control pedals will result in the vehicle returning to standby mode. This is a manual override for safety reasons. If the driver wishes to return to cruise control operation the resume button can be pressed.

1) Time gap between ACC vehicle and other traffic.

The system uses the controller are network (CAN) databus to transfer messages between the engine control module, brake control module and the adaptive cruise control module. The messages are on the high speed network due to the priority of the messages, ACC is a safety critical system.

No Active Vehicle

WHAT'S NEW IN CTM

Return to home

Software data

Auto ID

One touch clear all codes

One touch code scan

Return to home

SOFTWARE DATA

	New in 16.2	Overall Content
Vehicles	3,291	68,802
Systems	52,635	487,387
Codes	23,784	483,455
Parameters	21,524	251,800
Functional tests	2,735	31,036

AUTO ID

NOW AVAILABLE ON ALL THESE MAKES

AUDI	LAND ROVER	PEUGEOT	VW
BMW	MAZDA	PORSCHE	
CITROËN	MERCEDES	RENAULT	
DACIA	MINI	SMART	
HYUNDAI	MITSUBISHI	SUBARU	
JAGUAR	NISSAN	SUZUKI	
KIA	OPEL	VOLVO	

Automatically detects vehicle systems, no need to look up engine codes to access the correct vehicle system – saves you time, prevents errors

Return to the stats

Return to home

NOW AVAILABLE ON ALL THESE MAKES

ALFA

AUDI

BMW

CITROËN

DACIA

FIAT

FORD

HONDA

HYUNDAI

JAGUAR

KIA

LANCIA

LAND ROVER

LEXUS **NEW**

MAZDA

MERCEDES

MINI

MITSUBISHI

NISSAN

OPEL

PEUGEOT

RENAULT

SMART

SUBARU

SUZUKI

TOYOTA

VOLVO

VW

One button to clear all codes from available systems on the vehicle - previously you had to select each system one at a time - saves you time

Return to the stats

Return to home

ONE TOUCH CODE SCAN

NOW AVAILABLE ON ALL THESE MAKES

ALFA	JAGUAR	NISSAN	VW
AUDI	KIA	OPEL	
BMW	LANCIA	PEUGEOT	
CITROËN	LAND ROVER	RENAULT	
DACIA	LEXUS **NEW**	SMART	
FIAT	MAZDA	SUBARU	
FORD	MERCEDES	SUZUKI	
HONDA	MINI	TOYOTA	
HYUNDAI	MITSUBISHI	VOLVO	

Simple operation to automatically scan all available systems and display vehicle system information from one menu screen – saves you time

New content may relate to updated years

16.2 HIGHLIGHTS

- 2015 model year update across Volkswagen, Audi, Seat and Skoda

- Sliding doors added for the VW transporter and multivan – codes and data

- Tire pressure II system added
  - TPMS 2_01 - Codes, data, ECU Coding
  - TPMS2_02 - Codes, data, manual reset of TPMS System

- Lane change assist/lane maintenance/active steering added/position sensing

- Ad Blue – Urea reset added on UDS engines

APPLICATIONS DATA – VW ▶

APPLICATIONS DATA – SEAT ▶

APPLICATIONS DATA – AUDI ▶

APPLICATIONS DATA – SKODA ▶

THE VAG STATS ▶

Return to home ▶

VW - SEAT - AUDI - SKODA

TOTAL CONTENT – VAG

Vehicles	14,532
Codes	37,464
Parameters	34,458
Functional tests	711

982
New vehicles for **VAG** in this release

ALFA - FIAT - LANCIA

16.2 HIGHLIGHTS

- Tyre pressure monitoring added for Fiat 500L, Ullysse, Freemont Lancia Thesis, Thema Voyager – codes data and functional tests

- Instrument Panel - Headlamp height adjustment calibration added for Alfa Romeo Guilietta, Mito, Fiat 500, 500L, Punto Grand, Punto Nova, Doblo, Idea , Lancia Ypsillion, Delta

- Automatic transmission including special functions for the Fiat Qubo, Fiorino – codes, data, actuator tests and special functions

- Parking assist for the Fiat Qubo, Fiorino – codes

- Emergency Start-up with code card for the Alfa Romeo, Fiat, Lancia – detailed explanation of procedure

- SZK Electronic key for the Fiat Scedici – codes only

- Navigation & convergence unit for the Alfa Romeo Guilietta, Mito,159

- Fiat 500, 500L, Punto Grand, Punto Nova, Croma, Doblo, Idea, Panda, Qubo, Fiorino,Lancia, Ypsillion, Delta – codes, data and actuator tests

ALFA APPLICATIONS DATA

FIAT APPLICATIONS DATA

LANCIA APPLICATIONS DATA

THE AFL STATS

Return to home

ALFA - FIAT - LANCIA

TOTAL CONTENT – AFL

Vehicles	4,393
Systems	29,398
Codes	45,761
Parameters	19,873
Functional tests	6,889

478
New functional tests for **AFL** in this release

16.2 HIGHLIGHTS

- Selective Catalyst Reduction, including special functions for the F22, F45, F30, F80, F34, F32, F33, F36, F82, F07, F20, F06, F01, F02, F25, F26 and F15 – codes, data and functional tests

- Camera Based Driver Support System (KAFAS) – camera calibration added for the F22, F45, F30, F30, F80, F34, F32, F33, F36, F82, F10, F11, F07, F20, F12, F13, F06, F01, F02, i01, i12, F25, F26, E70, F15, E71 and E72 - Codes, data, actuator tests and special functions

- Lane Change Warning, SWW Initialization added for the F22, F45, F30, F30, F80, F34, F32, F33, F36, F82, F10, F11, F07, F20, F12, F13, F06, F01, F02, F25, F26 and F15 - codes, data, actuator tests and special functions

- Lane Departure Warning (TLC) added for the E60, E61, E63, E64, E65 and E66 – codes and data

- Parking Manoeuvring Assistant (PMA) added for the F22, F45, F30, F30, F80, F34, F32, F33, F36, F82, F10, F11, F07, F20, F12, F13, F06, F01, F02, F25, F26 and F15 – codes, data and actuator tests

MORE BMW/MINI HIGHLIGHTS ▶

BMW/MINI APPLICATIONS DATA ▶

Return to highlights ▶   Return to home ▶

16.2 HIGHLIGHTS

- Disable Transport Mode for the F22, F45, F30, F30, F80, F34, F32, F33, F36, F82, F10, F11, F07, F20, F12, F13, F06, F01, F02, F25, F26 and F15 – allows you to delete transport mode from all controller

- Emergency Fuel Tank Empty for the E87, E90, E91, E60, E61, F10, F11, F07, E63, E64, F12, F13, F06, F01, F02, E84, F25, F26, E70, F15, E71, E72 and E89

- Immobilizer Resynchronize on UDS vehicles for the F22, F45, F30, F30, F80, F34, F32, F33, F36, F82, F10, F11, F07, F20, F12, F13, F06, F01, F02, F25, F26 and F15 resynchronize the Engine ECU and immobilizer

- Central Information Display added for the E87, E90, E91, E60, E61, F10, F11, F07, E63, E64, F12, F13, F06, F01, F02, E84, F25, F26, E70, F15, E71, E72 and E89 – codes data and actuator tests

- Other system functions added include, convertible top module , Navigation , video module, car information computer/radio, longitudinal dynamics management, dynamic drive, electronic power steering, dynamic drive, air suspension, electronic power steering, gear selector switch

THE BMW/MINI STATS ❯

BMW/MINI APPLICATIONS DATA ❯

Return to highlights ❯   Return to home ❯

TOTAL CONTENT – BMW/MINI

Vehicles	2,028
Systems	32,623
Codes	67,265
Parameters	13,473
Functional tests	2,568

★ 288 ★
New functional tests for **BMW** in this release

16.2 HIGHLIGHTS

- Chrysler/Dodge/Jeep/Plymouth/Eagle 2005 & newer HVAC Calibration of mode doors

- 2013 & newer Ram truck Air Suspension system functions: Write Height Values, Height Sensor Check, and Deflate/Fill for Atmosphere Reservoir

- 2011-2013 Grand Cherokee Air Suspension system functions: Write Height Values, Height Sensor Check, and Deflate/Fill for Atmosphere Reservoir

- 2010-2012 Dodge trucks, Integrated Trailer Brake module: Add codes, data, and functional tests.

- 2007 and newer Jeep vehicles, Automatic sway Bar System: Add codes, data, and functional tests.

- 2005 and newer, BCM Systems: Additional Config options for User Option functions.

CHRYSLER APPLICATIONS DATA   ❯

Return to home   ❯

16.2 HIGHLIGHTS

- TPMS added for the Dokker, Duster Ph2, Lodgy, Logan II, Sandero II, Stepway 2012 – codes data, assign new valves to vehicle

- Injector Programming added for all diesel models from 2011 on

- Radio-Media system(6 variants) added for the Duster II Ph2 – codes, data and actuator tests

- Engine Management including special functions added on all models 2012 – codes, clear codes, data, EGR adaptionSpecial Functions

DACIA APPLICATIONS DATA ⊙

Return to home ⊙

16.2 HIGHLIGHTS

- New models added - Mustang Galaxy, S-Max, C-Max

- New engines added - Mondeo 2015 – 2.0L Petrol and 1.5L Diesel, Focus 2014-2015 – 2.0L Petrol, Mondeo, Galaxy and S-Max – 2.2L Diesel Euro 5 2006-2014

- Tyre pressure monitoring allow programming new sensors added for the Mondeo, Galaxy, S-Max, Focus, Kuga, Fiesta, C-Max, Tourneo Connect, B-Max, Ecosport – codes, data and special functions

- Power Window Initialization added for the Focus, C-Max, Kuga, Focus, C-Max and Connect

- Headlamp alignment added for the Focus, Kuga and Focus

- Power Lift gate Initialization added for the Kuga and C-Max (ie. Allows you to replace the pump in the lift struts)

- Battery monitoring system reset added for the Mondeo, Galaxy and S-Max

THE FORD STATS ❯

FORD APPLICATIONS DATA ❯

Return to home ❯

TOTAL CONTENT – FORD

Vehicles	2,919
Codes	39,134
Parameters	31,254
Functional tests	213

★ 130 ★
New vehicles for FORD in this release

16.2 HIGHLIGHTS

- 2015 Model year update

- Tyre pressure monitoring system functionality extended for the Accord Civic 2012 -2015, CR-V 2012 -2015, Jazz 2015, Jazz Hybrid 2015, Insight 2014 – 2015

- IMA Battery Replacement Functions added for the CRZ, Jazz Hybrid and Civic Hybrid – codes data and special functions

- Body module functionality extended for the, Accord, Civic, Civic Hybrid, CR-V, CRZ, Insight, Jazz, Jazz Hybrid, Legend including Wiper, Door Locks, Gauges

- HVAC and climate control, body and lightingadded for the Accord, Civic, Civic Hybrid, CR-V, CRZ, Insight, Jazz, Jazz Hybrid, Legend

THE HONDA STATS ❯

HONDA APPLICATIONS DATA ❯

Return to home ❯

HONDA

TOTAL CONTENT – HONDA

Vehicles	420
Systems	3,718
Codes	538,493
Parameters	7,280

Return to highlights

Return to home

16.2 HIGHLIGHTS

- TPMS added for the iLoad/i800/H-series, i10(IA), i20(IB), i30, i40, Santa Fe(DM), Veloster, ix20, ix35 – codes, data, functional tests and special functions

- Door Modules Drivers/Passengers added for the Santa Fe and Grandeur – codes, data and functional tests

- Automatic Headlamp Leveling System added for the Santa Fe and Grandeur – codes, data, functional tests and special functions

- Adaptive front lighting added for the I30(GD) and I40 – codes, data and special functions

- Auto A/C added for the i30, iLoad, i800, H-series, i20, ix35, ix20, i40, Sonata(NF), Accent (MC), Santa Fe(DM), Grandeur

- Diagnostic service interval reset added on the Santa Fe and i20

HYUNDAI APPLICATIONS DATA >

Return to home >

16.2 HIGHLIGHTS

- 2015 Model year update across all models covered

- New Model added Jaguar XE (X760) with deep coverage. Special functions include:
  - Air Path Set Up Routine - EGR Valve Set-up - Enable / Disable Glow Plugs - Fuel Lift Pump reset - Gear Selector Position Learn - Glow Plug Control Module Activation Test
  - Hot Film Air Mass Meter Initialization - Injector Coding - Low Pressure EGR Adaption Clear - Mass Air Flow Adaption Clear - Oxidation Catalyst - Oil Service Counter Reset
  - Oxygen Sensor Set-up - Powertrain Control Module Adaption Clear - Reset Fuel Pump Adaption - Reset Water in Fuel Detection - Swirl Valve Adaption Clear - Throttle Valve Actuator Replacement Procedure - Turbine Shut-Off Valve Set-up

- TPMS added for the X-Type and S-Type – codes data and special functions including sensor replacement

THE JAGUAR STATS ⊙

JAGUAR APPLICATIONS DATA ⊙

Return to home ⊙

KIA

16.2 HIGHLIGHTS

- TPMS extended for the Rio, Soul(PS), Soul(AM), Venga, Sorento, Ceed, Optima, Sportage, Picanto, Carens 2014 models – codes, data, functional tests and special functions

- Immobilizer/key teaching/password teaching/changing, key fob relearn added for the Carens, Ceed, Optima, Picanto, Rio, Sorento, Soul, Sportage, Venga

- Auto A/C added for the Rio, Carens, Ceed, Optima, Picanto, Sorento, Soul, Sportage, Venga, Cadenza – codes, data and special functions

- Adaptive front lighting added for the Sorento, Cadenza – codes, data, special functions

- Automatic headlamp levelling system added for the Soul, Sportage – codes, data and special functions

THE KIA STATS ›

KIA APPLICATIONS DATA ›

Return to home ›

TOTAL CONTENT – KIA

Vehicles	586
Systems	4,385
Codes	177,712
Parameters	7,663
Functional tests	2,051

LAND ROVER

16.2 HIGHLIGHTS

- Charging System/Battery / Electronic Feature Group

- Battery reset for the Freelander 2 / LR2 (L359), Discovery 4 / LR4 (L319), Range Rover (L322), Range Rover Sport (L320), Range Rover Evoque (L538) - Battery Reset

- Battery reset and gateway module for the Range Rover (L405), Range Rover Evoque, Range Rover Sport

- Cruise Control / Active Cruise Control with Queue Assist added for the Range Rover (L322), Range Rover (L405), Range Rover Evoque, Range Rover Sport, Range Rover Sport - codes, data and special functions

- Active Roll Control Module (Dynamic Response Module) added for the Range Rover sport - codes, data and special functions

- TPMS added for the Range Rover - codes

LAND ROVER APPLICATIONS DATA ❯

THE LAND ROVER STATS ❯

Return to home ❯

LAND ROVER

TOTAL CONTENT – LAND ROVER

Vehicles	858
Systems	6,426
Codes	31,264
Parameters	12,313
Functional tests	962

117
★ ★
New functional tests for
LAND ROVER
in this release

16.2 HIGHLIGHTS

★ NEW MANUFACTURER

- Codes scan and clear all codes functionality

- Deep coverage across the range including Powertrain modules, transmission, antilock brakes, airbag, electric motor power steering, hybrid control and TPMS

- Models covered CT200H , GS250, GS300, GS300h, GS350, GS430, GS450h, GS460, IS200, IS200d, IS200t, IS220d, IS250, IS250, IS300, IS300h, IS350, ISF, LS430, LS460, LS600h, NX200t, NX300h, RCF, RX300, RX350, RX400h, RX450h, SC430

LEXUS APPLICATIONS DATA ⟩

Return to home ⟩

16.2 HIGHLIGHTS

- 2015 model year update. Special functions include:
  - Injector Coding - Injector Data Reset - DPF Regeneration
  - Engine Oil Reset - Fuel Pump Reset - Injector Data Reset
  - MAF Sensor Data Reset - O2 Sensor Data Reset

- Code scan and clear all codes updated to 2015

- Key Programming with/without Keyless entry and erase keys added for the Mazda 3 and Mazda 6

MAZDA APPLICATIONS DATA >

Return to home >

16.2 HIGHLIGHTS

- Model year update to 2015 for AM – GT 190 and GLE Class 292

- TPMS extended and now covers all Mercedes models

- Air conditioning coding for the C class 204, GLK 204, E class 212, E coupe 207, A class 169, B class 245, A class 176, B class 246, Ml Class 164, R class 251, GL class 164, ML class 166, GL class 166, GLE class 292

- Sprintshift transmission added for the Sprinter 901 - 905

- Expansion of coverage for the S – Class 221, S-Class 222, C – Class 205

THE MERCEDES STATS ❯

MERCEDES APPLICATIONS DATA ❯

Return to home ❯

TOTAL CONTENT – MERCEDES

Vehicles	23,490
Systems	234,166
Codes	67,318
Parameters	16,039
Functional tests	2,003

★ 1,079 ★
New vehicles for
MERCEDES
in this release

16.2 HIGHLIGHTS

- TPMS added for the ASX, Lancer, Pajero/Shogun, Mirage/Spacestar, Outlander – codes, data and special functions

- Diagnostic service interval reset added for the ASX, Lancer, Pajero/Shogun, Mirage/Spacestar, Outlander, Colt – special functions

- Lane keep added for the outlander – codes, data and functional tests

Functional Tests Include

- System Fail Request Output
- Temperature Fail Request Output
- Vehicle Speed Offset 65 Mode Output Time: 1 min
- Vehicle Speed Offset 65 Mode Output Time: 10 min
- Vehicle Speed Offset 65 Mode Output Time: 30 min

- Vehicle Speed Offset 65 Mode Output Time: 60 min
- Warning Request Output: Warning R – Lane
- Warning Request Output: Warning L – Lane

Special Functions include

- Reset
- Learning

- Monitoring unit 1-12 added for I-Miev – codes, data and special functions

- Auto A/C added including codes, data and extensive functional tests

MITSUBISHI APPLICATIONS DATA ❯

Return to home ❯

16.2 HIGHLIGHTS

- Engine Management functions expanded for the Cube, Juke, Micra, Murano, Note, Qashqai

- TPMS added for the Note, Leaf, JukePulsar, Qashqai, X-Trail, 370Z, Murano.
  Codes: - Data - Actuator Tests - ID Reg Warning Buzzer - Warning lamp - Flasher
  - Special Functions - TPMS With ID Registration Tool

- Body Control Module Intelli Key added for the Murano

  - Codes
  - Data
  - Actuator Tests, ACC Control, Battery Saver, Chime Head Lights Warning, Ignition Key Warning Alarm, Interior, Outside, Seat Belt, Door Locks, Door Unlock, Horn, Horn Security, Ignition Cont 1, Lamp Acc Indicator, Lamp Head Lights, Lamp Head Lights Hi, Lamp Ignition On Indicator, Lamp Ignition Switch, Lamp Interior Switch, Lamp Interior Lights, Lamp Key Indicator, Lamp LH Flasher, Lamp Lock Indicator, Lamp Oil Pressure Switch, Lamp RH Flasher, Lamp Tail Lights, Lamp Theft Indicator, LCD Brk/Start, LCD Brk/Push/Start, LCD Insert Key, LCD Key Batt Low, LCD Lock Warn, LCD No Key, LCD Rotate, LCDShift P Pos, LCD Take Out Key, Rear Defogger, Trunk/Hatch Glass, Wiper Front, Wiper Rear, Special Functions

THE NISSAN STATS ●

NISSAN APPLICATIONS DATA ●

Return to home ●

TOTAL CONTENT – NISSAN

Vehicles	5,271
Systems	74,422
Codes	124,760
Parameters	46,805
Functional tests	5,678

★963★
New functional tests for
ASIAN MANUFACTURERS
in this release

Figs shown are for all Asian manufacturers

Return to highlights ▶

Return to home ▶

16.2 HIGHLIGHTS

- Electronic power steering added on the Meriva B, Insignia, Meriva B – codes, data, actuator tests and special functions

- Steering angle sensor added on the Meriva B, Insignia – codes and special functions

- Wheel alignment added on the Meriva B, Insignia – codes and special functions

- Side blind spot alert added on the insignia – codes, data and actuator tests

- Parktronic added on the Zafira B – codes, data and actuator tests

- Headlamp control module added on the Antara, Astra J, Cascada, Mokka, Insignia, Zafira C, Meriva B – codes, data, actuator tests and special functions

MORE OPEL/VAUXHALL HIGHLIGHTS ❯

OPEL/VAUXHALL APPLICATIONS DATA ❯

Return to home ❯

16.2 HIGHLIGHTS

- TPMS added on the Adam, Apera, Antara, Astra J, Cascada, Insignia, Mokka, Zafira C – codes, data and special functions

- Engine added on the

- Freeze frame data and AC PIDS added on the Adam, Antara, Astra J, Astra H, Cascada, Corsa D, Insignia, Mokka, Zafira B and Zafira C

- Additional special functions added on the 1.7 LUD, 2.0 LBR, 1.4 LUJ engine including:

  - DPF Regeneration
  - Fuel Pressure Regulator Learn
  - Injector Programming
  - Idle Speed Adjustment
  - Brake pedal position sensor learn
  - Clutch pedal position sensor learn
  - Crankshaft Position Variation learn

  - HO2S Heater learn
  - Catalyst reset
  - DPF pressure reset
  - DPF replacement
  - Exhaust gas temperature sensor reset
  - Idle air control reset

THE OPEL/VAUXHALL STATS ❯

OPEL/VAUXHALL APPLICATIONS DATA ❯

Return to home ❯

16.2 HIGHLIGHTS

- 2015 Model year update
- New model added Macan. All applicable systems - Data, Codes, OSC FTs
- Auto ID updated
- Electronic power steering added for the 91, Panamera, Boxster/Cayman - Codes, Data, Functional Tests, Relearns
- Seat memory added for the 911, Panamera, Boxster/Cayman , Cayenne - Codes, Data, FTs, Relearns
- Porsche Active Suspension Management (PASM) system
- High Sensor System Calibration added for the Cayenne and Panemera
- Lever control system added for the 911, Panamera, Boxster/Cayman - Codes, Data, FTs, Relearns
- Wheel Drive/Transfer Case system added for the Cayenne - Codes, Data, FTs, Relearns
- Porsche Dynamic Chassis Control (PDCC) system added for the 911, Panamera, Cayenne - Codes, Data, FTs, Relearns
- Lane Change Assist system as followings: Panamera, Cayenne - Codes, Data, FTs, Relearns
- Adaptive Cruise Control (Porsche Active Safe) system added across the range Codes, Data, FTs, Relearns
- Navigation/Rear Camera Display system added across the range Codes, Data, FTs, Relearns

Return to home

16.2 HIGHLIGHTS

- 2015 model year update

- C4 Picasso (B78) engine added

- Head Up Display/ High Head Vision added for the Citroen C6,DS5 and Peugeot 508 – codes, data and actuator tests

- ABS ECU configuration added for the Citroen C4 and Peugeot 307 Restyle - reconfigure ABS ECU after replacement

- EU6 engine systems service functions added

CITROËN APPLICATIONS DATA ❯

THE CITROËN - PEUGEOT STATS ❯

PEUGEOT APPLICATIONS DATA ❯

Return to home ❯

CITROËN - PEUGEOT

TOTAL CONTENT – CITROËN - PEUGEOT

Vehicles	6,316
Systems	78,808
Codes	59,308
Parameters	47,803
Functional tests	8,752

64
New vehicles for **PSA** in this release

Return to highlights

Return to home

16.2 HIGHLIGHTS

- TPMS added for the (VDO type 19), (VDO type OE), (VDO type 14), Captur, Clio IV, Fluence, Laguna III, Megane III, Scenic III, Twingo III – codes, data and assigning new valves

- Front Radar (ADAS) added for the Captur, Clio IV, Megane III and Twingo III – codes and clear codes

- Lane Departure (Visio) added for the Captur, Clio IV, Megane III and Twingo III – codes, data and computer reset

- EGR resets added for the Megane II, Scenic II and Trafic II – codes, daa and EGR adaption

- DPF Pressure/EGR/fuel pump programming /Sensor Reset added for the Megane III and Scenic III – pressure sensor reset function

THE RENAULT STATS ❯

RENAULT APPLICATIONS DATA ❯

Return to home ❯

16.2 HIGHLIGHTS

- TPMS added for the ForTwo and the ForFour – codes, data and calibration steering angle sensor. Writing of wheel electronics identification numbers

THE SMART STATS ❯

SMART APPLICATIONS DATA ❯

Return to home ❯

TOTAL CONTENT – SMART

Vehicles	406
Systems	2,261
Codes	5,046
Parameters	1,294
Functional tests	144

Return to highlights

Return to home

16.2 HIGHLIGHTS

- 2015 model year update

- Injector coding added for the Impreza and Forester

- DPF regeneration/replacement added for the Legacy/Outback, Impreza/XV and Forester

- New systems added for the Forester, Impreza, Legacy/Outback, Tribeca, WRX STI, XV

- Body Integration Unit: Codes, Data

- Multi-function display: Codes, Data

- Automatic Headlight Leveling: Codes, Data

SUBARU APPLICATIONS DATA

Return to home

16.2 HIGHLIGHTS

- 2015 model year update including:

Codes data and actuator tests include:

- Additional Heater 1,2,3
- Fuel Flow Actuator
- Fuel Heater
- Fuel Injector 1 – 4
- Fuel Pump Control
- Glow Plug
- Inlet Throttle Valve %
- Radiator Fan Control
- Turbocharger (Boost Pressure Control Solenoid) %

- Special Functions - Injector Programming
- Initialise Differential Pressure Sensor Data
- Initialise MAF Sensor Data
- A/F Sensor Dew Point Initialisation
- Throttle Valve Test
- Turbocharger Test
- AnitlockBrakes - Codes, Data Special Functions
- Steering Angle Sensor Calibration
- Airbag - Codes, Data

- DPF regeneration added for the Grand Vitara

THE SUZUKI STATS

SUZUKI APPLICATIONS DATA

Return to home

TOTAL CONTENT – SUZUKI

Vehicles	362
Systems	1,530
Codes	12,626
Parameters	1,750
Functional tests	146

16.2 HIGHLIGHTS

- 2015 model year update

  Covering:

  - Powertrain
  - Antilock Brakes
  - Airbag
  - Electric Motor Power Steering
  - Main Body
  - Tire Pressure Monitor

- Code scan and clear all codes updated

THE TOYOTA STATS ❯

TOYOTA APPLICATIONS DATA ❯

Return to home ❯

TOTAL CONTENT – TOYOTA

Vehicles	5,271
Systems	74,422
Codes	124,760
Parameters	46,805
Functional tests	5,678

★963★
New functional tests for
ASIAN MANUFACTURERS
in this release

Figs shown are for all Asian manufacturers

16.2 HIGHLIGHTS

- Driver information module added for the V40, S40, C30, V50, C70, XC60, XC70, V70, V60, S80, S60, S40, V40, XC90 – codes, data, actuator tests and special functions

- Combined instrument module added for the C70 - codes, data, actuator tests and special functions

- Parking assist module added for the XC60, XC70, V70, V60, S80, S60, V40, S40, C30,V50, C70 – codes and data

Codes data and actuator tests include:

- Fog light, Trailer.
- Relay, Electrically Heated Diesel Filter.
- Relay, Tank Valve.
- License Plate Light.
- Fog Lights.
- Reversing Light.
- Stop Light.

- Left Rear Door Motor, Lock.
- Left Rear Door Motor, unlock.
- Right Rear Door Motor Lock.
- Right Rear Door Motor, Unlock.
- Boot lid/Tailgate Lock Motor, Unlock.
- Boot lid/Tailgate Lock Motor, Lock.
- Power Child Door Motor Lock.

- Power Child Door Motor Unlock.
- Fuel Lid Door Motor Lock.
- Fuel Lid Door Motor Unlock.
- Relay, Rear Wiper Motor/Headrest.
- Special Functions
- Calibrating the Position Sensor for Bi-Xenon Lamps

- Forward Sensing Module, Closing Velocity Module, Injector Classification added

THE VOLVO STATS ❯

VOLVO APPLICATIONS DATA ❯

Return to home ❯

VOLVO

TOTAL CONTENT – VOLVO

Vehicles	1,269
Systems	8,279
Codes	14,457
Parameters	2,766
Functional tests	523

★ **637** ★
New systems for **VOLVO** in this release

Return to highlights ❯

Return to home ❯